



Home Office: Great Bend, Kansas
P. O. Box 793 Gladstone 3-7903

Company Pickrell Drilling Company Lease & Well No. House A-1
Elevation 2099 Kelly Bushings Formation Pawnee Ticket Number 7649
Date July 27, 1966 Sec. 11 Twp. 17S Range 20W County Rush State Kansas
Test Approved by R. Kenneth Smith Western Representative Dean Blagrave

Formation Test No. 1 O.K. Misrun _____ Interval Tested From 3888' to 3922' Total Depth 3922'
Size Main Hole 7 7/8 Rat Hole none Conv. B.T. _____ Damaged Yes No Conv. B.T. _____ Damaged Yes No
Packer Depth 3883 Ft. Size 6 3/4 Packer Depth 3888 Ft. Size 6 3/4
Straddle Yes No _____ Conv. _____ B.T. _____ Damaged Yes _____ No
Packer Depth _____ Ft. Size _____

Tool Size 5 1/2 OD Tool Jt. Size 4 1/2 FH Anchor Length 34 Ft. Size 5 1/2 OD
RECORDERS Depth 3909 Ft. Clock No. 6892 Depth 3912 Ft. Clock No. 6774
Top Make Amerada Cap. 4150 No. 2606 Inside Outside Bottom Make Amerada Cap. 4300 No. 1567 Inside Outside
Below Straddle: Depth _____ Clock No. _____ Inside _____ Outside _____
Top Make _____ Cap. _____ No. _____ Inside _____ Outside _____

Time Set Packer 9:39 P M
Tool Open I.F.P. From 9:40 M to 9:47 M Hr. 7 Min. From (B) 46 P.S.I. To (C) 46 P.S.I.
Tool Closed I.C.I.P. From 9:47 M. to 10:17 M. Hr. 30 Min. (D) 64 P.S.I.
Tool Open F.F.P. From 10:17 M. to 10:47 M. Hr. 30 Min. From (E) 50 P.S.I. To (F) 56 P.S.I.
Tool Closed F.C.I.P. From 10:47 M. to 11:17 M. Hr. 30 Min. (G) 64 P.S.I.
Initial Hydrostatic Pressure (A) 2097 P.S.I. Final Hydrostatic Pressure (H) 2075 P.S.I.

SURFACE Size Choke 1/4 In. Max. Press. P.S.I. _____ Time _____ Description of Flow _____
INFORMATION _____ M. _____
_____ M. _____
_____ M. _____

BLOW Weak for seven minutes. Bottom Choke Size 3/4 In.

Did Well Flow Yes No _____ Recovery Total Ft. 5 Feet drilling mud

Reversed Out Yes No Mud Type starch Viscosity 46 Weight 9.8 Maximum Temp. 112 °F

EXTRA EQUIPMENT: Dual Packers yes Safety Joint no Jars: Size no Make _____ Ser. No. _____

Type Circ. Sub. plug Did Tool Plug? no Where? _____ Did Packer Hold? yes

Length Drill Pipe _____ ft. I.D. Drill Pipe _____ in Length Weight Pipe 1065 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars none ft.

I. D. Drill Collars _____ in. Length D.S.T. Tool 52

Remarks Flushed at 10 minutes.

WESTERN TESTING CO., INC.
Pressure Data

Date July 27, 1966 Test Ticket No. 7649
 Recorder No. 2602 Capacity 4150 Location 3909 Ft.
 Clock No. 6892 Elevation 2099 Kelly Bushing Well Temperature 112 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2097</u> P.S.I.	Opened Tool	<u>9:40 P.M.</u>	<u>9:40 P.M.</u>
B First Initial Flow Pressure	<u>46</u> P.S.I.	First Flow Pressure	<u>7</u> Mins.	<u>7</u> Mins.
C First Final Flow Pressure	<u>46</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>64</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>50</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>56</u> P.S.I.			
G Final Closed-in Pressure	<u>64</u> P.S.I.			
H Final Hydrostatic Mud	<u>2075</u> P.S.I.			

PRESSURE BREAKDOWN

Point Mins.	First Flow Press.	Initial Shut-In	Second Flow Pressure	Final Shut-In
	Breakdown: <u>1</u> Inc. of <u>5</u> mins. and a final inc. of <u>2</u> Min.	Breakdown: <u>10</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.	Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Breakdown: <u>10</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.
	Point Minutes	Point Minutes	Point Minutes	Point Minutes
P 1 <u>0</u>	<u>46</u>	<u>0</u>	<u>46</u>	<u>56</u>
P <u>5</u>	<u>46</u>	<u>3</u>	<u>47</u>	<u>56</u>
P 3 <u>7</u>	<u>46</u>	<u>6</u>	<u>48</u>	<u>56</u>
P 4		<u>9</u>	<u>50</u>	<u>56</u>
P 5		<u>12</u>	<u>52</u>	<u>57</u>
P 6		<u>18</u>	<u>56</u>	<u>58</u>
P 7		<u>21</u>	<u>58</u>	<u>59</u>
P 8		<u>24</u>	<u>60</u>	<u>61</u>
P 9		<u>27</u>	<u>62</u>	<u>62</u>
P10		<u>30</u>	<u>64</u>	<u>64</u>
P11				
P12				
P13				
P14				
P15				
P16				
P17				
P18				
P19				
P20				

Pickrell Drdg Co.
House "A" - #1

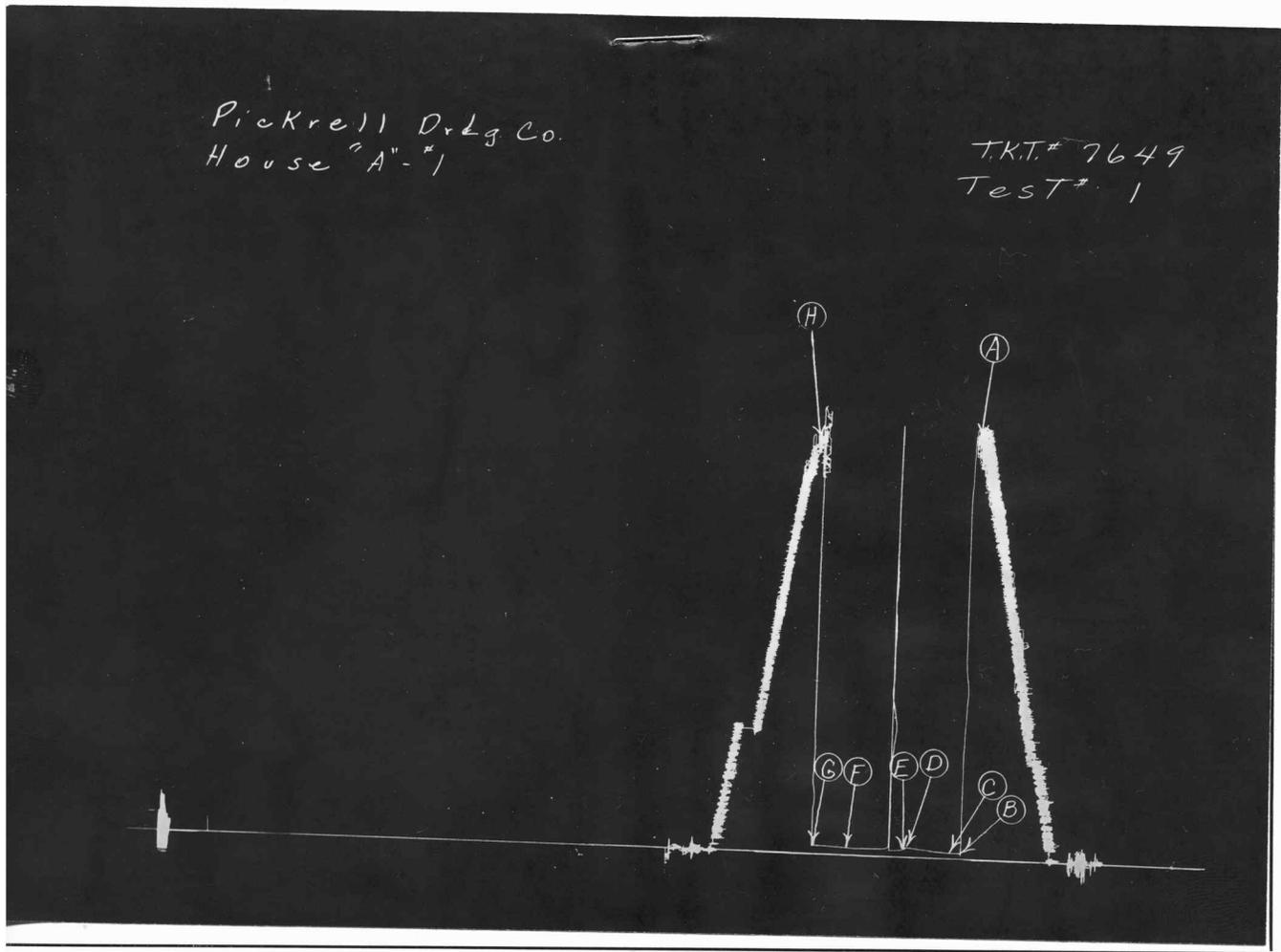
T.K.T.# 7649
Test# 1

COMPANY PICKRELL DRILLING COMPANY LEASE AND WELL NO.

HOUSE #A-1

SEC. 11 TWP. 17s RGE.

20th TEST NO. 1 DATE 7-27-66



This is an actual photograph of recorder chart.

POINT	PRESSURE	
(A) Initial Hydrostatic Mud	2097	PSI
(B) First Initial Flow Pressure	46	PSI
(C) First Final Flow Pressure	46	PSI
(D) Initial Closed-in Pressure	64	PSI
(E) Second Initial Flow Pressure	50	PSI
(F) Second Final Flow Pressure	56	PSI
(G) Final Closed-in Pressure	64	PSI
(H) Final Hydrostatic Mud	2075	PSI



Home Office: Great Bend, Kansas
P. O. Box 793 Gladstone 3-7903

Company Pickrell Drilling Company Lease & Well No. House A-1
Elevation 2099 Kelly Bushings Formation Cherokee Ticket Number 7650
Date July 28, 1966 Sec. 11 Twp. 17s Range 20w County Rush State Kansas
Test Approved by R. Kenneth Smith Western Representative Dean Blagrave

Formation Test No. 2 O.K. Misrun _____ Interval Tested From 3904' to 3950' Total Depth 3950
Size Main Hole 7 7/8 Rat Hole none Conv. B.T. _____ Damaged Yes No Conv. B.T. _____ Damaged Yes No
Packer Depth 3899 Ft. Size 6 3/4 Packer Depth 3904 Ft. Size 6 3/4
Straddle Yes No _____ Conv. _____ B.T. _____ Damaged Yes _____ No
Packer Depth _____ Ft. Size _____

Tool Size 5 1/2 OD Tool Jt. Size 4 1/2 FH Anchor Length 46 Ft. Size 5 1/2 OD
RECORDERS Depth 3936 Ft. Clock No. 6892 Depth 3939 Ft. Clock No. 6774
Top Make Amerada Cap. 4150 No. 2606 Inside Outside Bottom Make Amerada Cap. 4300 No. 1567 Inside Outside
Below Straddle: Depth _____ Clock No. _____ Inside _____ Outside _____
Top Make _____ Cap. _____ No. _____ Inside _____ Outside _____

Time Set Packer 12:39 P M
Tool Open I.F.P. From 12:40 M to 12:45 M Hr. 5 Min. From (B) 72 P.S.I. To (C) 75 P.S.I.
Tool Closed I.C.I.P. From 12:45 M. to 1:15 P M. Hr. 30 Min. (D) 1247 P.S.I.
Tool Open F.F.P. From 1:15 M. to 2:45 M. 1 Hr. 30 Min. From (E) 91 P.S.I. To (F) 347 P.S.I.
Tool Closed F.C.I.P. From 2:45 M. to 3:15 M. Hr. 30 Min. (G) 1196 P.S.I.
Initial Hydrostatic Pressure (A) 2094 P.S.I. Final Hydrostatic Pressure (H) 2081 P.S.I.

SURFACE Size Choke 1/4 In. Max. Press. P.S.I. _____ Time _____ Description of Flow _____
INFORMATION _____ M. _____
_____ M. _____
_____ M. _____

BLOW Weak increasing to good Bottom Choke Size 3/4 In.
Did Well Flow Yes No _____ Recovery Total Ft. 625' muddy salt water

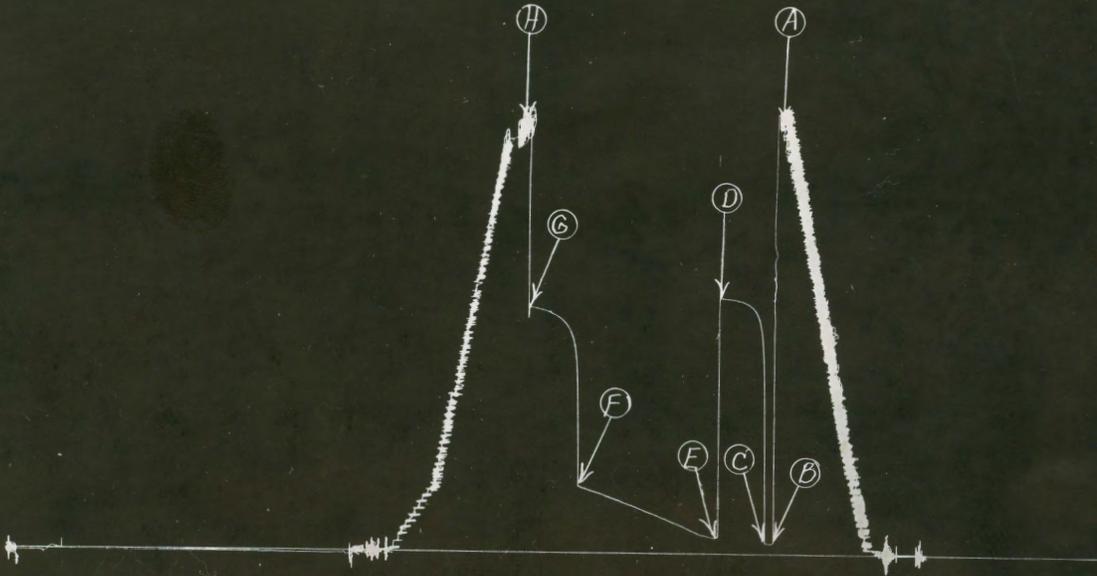
Reversed Out Yes _____ No _____ Mud Type starch Viscosity 46 Weight 9.9 Maximum Temp. 121 °F

EXTRA EQUIPMENT: Dual Packers yes Safety Joint no Jars: Size no Make _____ Ser. No. _____
Type Circ. Sub. plug Did Tool Plug? no Where? _____ Did Packer Hold? yes
Length Drill Pipe _____ ft. I.D. Drill Pipe _____ in Length Weight Pipe 1065 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars none ft.
I. D. Drill Collars _____ in. Length D.S.T. Tool 64 ft.

Remarks _____

Pickrell Dr. Lg. Co.
House "A" #1

TKT # 7650
Test # 2



This is an actual photograph of recorder chart.

POINT	PRESSURE
(A) Initial Hydrostatic Mud	2094 PSI
(B) First Initial Flow Pressure	72 PSI
(C) First Final Flow Pressure	75 PSI
(D) Initial Closed-in Pressure	1247 PSI
(E) Second Initial Flow Pressure	91 PSI
(F) Second Final Flow Pressure	347 PSI
(G) Final Closed-in Pressure	1196 PSI
(H) Final Hydrostatic Mud	2081 PSI

COMPANY PICKRELL DRILLING COMPANY LEASE AND WELL NO. HOUSE #A-1 SEC. 11 TWP. 17S RGE. 20W TEST NO. 2 DATE 7-28-66